

## Abstract

A system and method of optimizing route selection of a communication connection over diverse media are described. The diverse media include but are not limited to the Public Switched Telephone Network (PSTN), a Wide Area Network (WAN), a Virtual Private Network (VPN), and satellite transmission. A desktop such as a computer is associated with one or more end system terminals. The desktop stores tables which identify the selection of available media and optimization factors associated with each. Set up and tear down protocols for each media are also stored by the desktop. Tables containing routing preferences for each media is also maintained at the desktop. Upon connection initiation the available media is evaluated for optimum service in relation to a callers set of preferences. A reroute of the connection after initiation can be implemented if a preferred route becomes available.

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